



May 2004

A Message to All Students in Summer Research Programs:

**National Institutes
of Health**

Office of
Intramural Training
and Education

**Office of
Intramural Research**

On behalf of all members of the scientific community, I would like to take this opportunity to welcome you to the National Institutes of Health (NIH). It is my hope that your experience with us this summer will enhance your knowledge and understanding of the world of biomedical research and contribute to the development of your academic goals. Over the years, this program has provided the stimulus for many individuals like yourselves to pursue careers in the biomedical sciences.

While you will undoubtedly be spending most of your time in the laboratory this summer, I encourage you to take advantage of the many special opportunities we have to offer, as well. The NIH Office of Intramural Training and Education has planned several activities designed to enrich your summer experience. One of these activities, the *Summer Lecture Series*, enables you to hear leading NIH scientists discuss their current research. As envisioned in the new Roadmap for medical research formulated by NIH Director Dr. Elias Zerhouni, the voyage of biomedical research has never been more exciting than today. Reflecting this fact, the theme of this year's series is *Road to Discovery*. The summer lectures are very popular, so be sure to arrive at the auditorium early.

Another special event, *Poster Day 2004*, takes place toward the end of the summer session on Thursday, August 5th. It provides an opportunity for you to present your research findings to the NIH scientific community. I encourage all summer students to be part of this NIH-wide event, which celebrates the work of over 400 students each year. You will find instructions for creating a poster presentation and a description of registration procedures in this handbook.

I would also invite you to take advantage of the other workshops and activities that we have planned for you. The courses on laboratory safety and radiation safety teach valuable skills and ensure that your summer with us will be safe.

Congratulations on your selection for an internship and best wishes for a rewarding summer at the NIH.

Sincerely yours,

A handwritten signature in black ink that reads "Michael M. Gottesman".

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Summer E-mail List

The Summer Interns E-mail List was created to promote fellowship among student researchers and to provide a forum for the exchange of educational, scientific, and employment information during the months you spend at the NIH.

How do I subscribe?

1. Compose an e-mail addressed to *listserv@list.nih.gov*
2. Leave the subject line blank
3. In the body of your message type:
Subscribe Summer-Interns
YourFirstName YourLastName

How do I post a notice?

You can post a notice, announcement, scientific request, or employment question by sending an e-mail to *summer-interns@list.nih.gov*.

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Road to Discovery

- June 15 **Regulation of Dopamine Transport by Endogenous Opioid Systems: Implications for Addiction Treatment**
Toni S. Shippenberg, Ph.D.
Chief, Integrative Neuroscience Section
Behavioral Neuroscience Research Branch
National Institute on Drug Abuse
- June 22 **How Can We Use Mice with Black and White Spots to Learn about Human Disease?**
William J. Pavan, Ph.D.
Senior Investigator, Genetic Disease Research Branch
Head, Mouse Embryology Section
National Human Genome Research Institute
- June 29 **Cloning Genes for Adrenal Tumors: A Journey from Rare Human Diseases to Important Genes and Signaling Pathways**
Constantine A. Stratakis, M.D., D.Sc.
Acting Chief, Heritable Disorders Branch
National Institute of Child Health and Human Development
- July 6 **Insights into the Mechanism of DNA Replication**
Wei Yang, Ph.D.
Senior Investigator, Laboratory of Molecular Biology
National Institute of Diabetes and Digestive and Kidney Diseases
- July 13 **Innate Defenses against Infection: Keeping Microbes at Bay**
Steven M. Holland, M.D.
Investigator, Laboratory of Host Defenses
National Institute of Allergy and Infectious Diseases
- July 20 **Thirteen Years at NIH: An Eosinophil Odyssey**
Helene F. Rosenberg, M.D., Ph.D.
Chief, Eosinophil Pathophysiology Section
Laboratory of Host Defenses
National Institute of Allergy and Infectious Diseases
- July 27 **Navigating Endosomal Transport Pathways: Lipids and G Proteins Pave the Way**
Julie G. Donaldson, Ph.D.
Senior Investigator, Laboratory of Cell Biology
National Heart, Lung, and Blood Institute
- August 3 **How the Genome Comes Alive: Novel Approaches for Studying Transcriptional Regulation in Mammalian Cells**
Kevin Gardner, M.D., Ph.D.
Principal Investigator, Laboratory of Receptor Biology and Gene Expression
National Cancer Institute

All lectures will be held from 12:00 noon to 1:00 p.m. on Tuesdays in Masur Auditorium in Building 10.

Sign language interpretation is available upon request. Individuals who require this or other accommodations should call the NIH Office of Intramural Training and Education at (301)496-2427.

Programs, Lectures, and Workshops for Students

NIH Library Orientation

The NIH Library in Building 10 provides library orientation sessions every Wednesday from May 26 through July 14, 2004. Each one-hour orientation starts at 2:00 p.m. at the Information Desk.

The sessions cover:

- Overview of NIH Library patron privileges
- Overview of NIH Library home page (<http://nihlibrary.nih.gov>)
- Access to *PubMed*, *Web of Science*, and other electronic databases
- Access to the on-line catalog
- Retrieval of full-text journals on-line
- Methods to request journal articles
- Training opportunities

For further details, visit

<http://nihlibrary.nih.gov/ResourceTraining/TrainingDescription.htm?ID=94&View=AllTraining>.

For help in navigating the array of information resources, verifying a fact or citation, or using a library resource, contact staff at the Information Desk—in person, by phone, or on-line at <http://nihlibrary.nih.gov>. Click on the *AskUs Live!* button on our Web site for immediate, real-time responses to on-line questions.

For summer students there is also a raised platform with 12 PCs where users can log in with a valid NIH ID and access Internet resources, on-line journals, databases, and other services. In addition, the NIH Library loans wireless cards to authorized users and will soon begin loaning out laptops to NIH users with a valid NIH ID. For more information, contact the NIH Library Reference and Information Services at (301) 496-1080.

How to Become a Member of the Next Generation of Biomedical Scientists

Lunchtime Talks on Training for Research Careers

The NIH Office of Intramural Training and Education will host a series of afternoon “brown bag” sessions on selected Thursdays in **Building 40, Room 1201 from 12:00 noon to 1:30 p.m.** These informal sessions are designed for individuals who are interested in pursuing a career in biomedical research. They will provide information on future NIH

training opportunities that can help one realize this goal and will feature discussions on the following topics:

July 8 **NIH-supported Programs for Undergraduates and Recent College Graduates**

Learn more about training opportunities at the NIH as well as programs available for students at grantee institutions.

- The **National Institute of General Medical Sciences (NIGMS)** supports basic biomedical research to enhance our understanding of life processes and lays the foundation for advances in disease diagnosis, treatment, and prevention. The institute's programs encompass the areas of cell biology, biophysics, genetics, developmental biology, pharmacology, physiology, biological chemistry, bioinformatics, computational biology, and minority biomedical research and training. The institute's training programs help to provide the most critical element of good research: well-prepared scientists.
- The **NIH Undergraduate Scholarship Program (UGSP)** offers scholarship awards to undergraduate students from disadvantaged backgrounds who are committed to careers in biomedical, behavioral, and social science health-related research. The financial benefits of up to \$20,000 per year can be used to cover tuition, plus reasonable educational and living expenses. There are NIH service obligations during the summer and after graduation. For more details, visit the UGSP Web site, <http://ugsp.info.nih.gov>. To request an application, call the UGSP InfoLine at (800) 528-7689 or e-mail ugsp@nih.gov.

July 15 **Graduate School Opportunities**

If graduate school is in your future, come and learn how the NIH Graduate Partnerships Program can help you achieve this goal.

- The **Graduate Partnerships Program (GPP)** was implemented in July 2000 to link the NIH with universities in the training of graduate students in biomedical sciences. This initiative enables graduate students to be fully funded as they perform their dissertation research in NIH laboratories. Through the GPP the NIH strengthens and expands its role as a key provider of excellent graduate-level training for the biomedical scientists of the future. The goals of the GPP are (1) to develop educational partnerships with national and international universities and institutions for predoctoral training, (2) to establish the infrastructure needed to support graduate training at NIH, and (3) to foster an NIH graduate student community. Information pertaining to the GPP and a current list of partnership programs may be found at the Web site, <http://gpp.nih.gov>.

July 22 **Training Opportunities for Medical and Dental Students**

The NIH offers a variety of programs for medical and dental students who aspire to careers in research. This session will provide information about basic and clinical training programs on the NIH campus as well as support for students in combined degree (M.D./Ph.D.) programs.

- The **HHMI-NIH Research Scholars Program** was established in 1985 as a joint venture of the Howard Hughes Medical Institute, one of the nation's largest private biomedical research organizations, and the NIH. Students in good standing at U.S. medical schools are eligible to apply to the program. Research scholars spend nine months to a year on the NIH campus in Bethesda, Maryland, conducting biomedical research under the direct mentorship of senior NIH research scientists, and living among their peers at the Cloister, the research scholars' on-campus residence. For further information, visit <http://www.hhmi.org/cloister>, call (800) 424-9924, or e-mail research_scholars@hhmi.org.
- The **Clinical Research Training Program (CRTP)** was established in 1997 at the recommendation of a panel of experts advising the NIH Director on the future of clinical research. This individualized, yearlong program was designed to attract the nation's most creative, research-oriented medical and dental students to become involved in clinical research early on in their careers. Students who have completed a year of clinical rotations are invited to apply. In most cases, students apply during their third year and, if selected, enter the next CRTP class in the summer. CRTP students usually spend one year in the program, with the possibility of an extension for a second year provided support from their sponsoring NIH institute is available, and the student has permission from the home institution. Medical and dental students who are U.S. citizens or permanent residents and are enrolled in a medical school accredited by the Liaison Committee on Medical Education (LCME) or a dental school that is accredited by the Commission on Dental Accreditation are eligible to apply. The program currently accepts 30 new students per year.
- The **NIH Clinical Electives Program (CEP)** provides opportunities for medical and dental students to care for patients and explore clinical investigation in 22 subspecialty areas. It is open to students who have completed (or are in the process of completing) core clerkships. Elective periods last from four to eight weeks beginning on the first Monday of each month, with the exception of Medical Informatics, which is offered during the spring from March through April only. Individualized research electives can also be arranged in the basic or clinical sciences.

July 29 **Preparing for Careers in Biomedical Research**

Hear successful investigators discuss educational pathways to a career in biomedical research.

Medical and Dental Student Activities

Several events are planned over the summer, specifically designed for students in the Summer Research Fellowship Program (SRFP) program, to address research opportunities and careers in medicine and dentistry.

July 20	1:00 p.m.	NIH Clinical Research Training Program RSVP to (301) 496-2427	Medical Board Room (Building 10, Room 2C116)
July 28	12:00 noon	Howard Hughes Medical Institute Cloister Program RSVP to (301) 951-6708	Building 60, Lecture Hall/Chapel
August 3	4:00 p.m.	Graduate Medical Education/ Loan Repayment Programs	Building 10, Room B1L408

Science Working for Us Seminar Series: Tenth Annual Diggs Lecture

The Diggs Lecture is sponsored by the NIH Black Scientists Association and highlights research related to minority health. The lecture is named for the late Dr. John Diggs, a former NIH Deputy Director for Extramural Research. Details regarding this year's lecture will be announced in June.

NIA/NIDA Student Poster Session

August 3 1:00 to 5:00 p.m. Gerontology Research Center Lobby, Baltimore

NICHD Summer Program Poster Presentations

August 5 4:00 to 6:00 p.m. Natcher Conference Center, Building 45

Science in the Cinema

Science in the Cinema is a free film festival sponsored by the NIH Office of Science Education (OSE), in partnership with the AFI Silver Theatre and Cultural Center. This year's festival will be held on May 11, June 8, and July 13 at the historic Silver Theatre, located in downtown Silver Spring. Each day, a film with a medical science-related theme will be shown in its entirety. Following the film, a guest speaker with expertise in the film's subject area will comment on the science depicted in the film and take questions from the audience.

Shows start at 7:00 p.m. Tickets are free and are available on a first-come, first-served basis through the AFI Silver box office, on the day of show only. For more information, contact the OSE at (301) 402-2469 or visit the Web site, <http://science.education.nih.gov/cinema>.

Training Courses

Laboratory Safety

The NIH is responsible for the promotion of safe work practices for all who work in NIH research facilities, including summer students. The Occupational Health and Safety Division offers courses in **Laboratory Safety at the NIH** and **Working Safely with HIV and Other Bloodborne Pathogens in the Research Laboratory**. Prior to enrolling in the laboratory safety training courses, all students are required to take the **Introduction to Laboratory Safety Computer-based Training Course**.

Classroom courses are offered monthly except in August. The courses listed below provide training in the safe work practices and procedures to be employed when working in the NIH research environment.

Introduction to Laboratory Safety Computer-based Training Course

This is an introductory course in laboratory safety to be completed prior to attending the classroom course **Laboratory Safety at the NIH**. The course, which is mandatory for new laboratory research employees, introduces laboratory personnel to common hazards and exposure risks, including chemical, radiological, and biological hazards that are found in NIH research laboratories. It provides instruction on how to prevent exposure to these hazards and on emergency response procedures in case of exposure. The course also covers NIH waste-handling procedures as well as methods to ensure the research laboratory is free from common physical hazards, and it provides information on NIH security policies and procedures. To access the on-line course, go to <http://www.ors.od.nih.gov/labsafety/>.

Laboratory Safety at the NIH

After completing the computer-based **Introduction to Laboratory Safety** course, students must attend the classroom course **Laboratory Safety at the NIH**. Laboratory supervisors are responsible for ensuring that their staff attend prior to working with potentially hazardous materials. The program addresses the following:

- Recognition and control of common biological, chemical, and physical hazards found in NIH laboratories
- Use of personal protective equipment
- Hazardous waste minimization and disposal
- Response to laboratory emergencies
- Medical surveillance programs available through the Occupational Medical Service
- Other selected topics

Attendance at this program assists in meeting the training requirement of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and Occupational Exposure to Hazardous Chemicals in Laboratories Standard (29 CFR 1910.1450).

Please note: Credit for attendance will not be given to late arrivals.

The **Laboratory Safety at the NIH** course will be held on the following dates:

May 11	1:00 to 4:00 p.m.	Masur Auditorium (Building 10, first floor)
May 25	1:00 to 4:00 p.m.	Masur Auditorium
June 1	1:00 to 4:00 p.m.	Masur Auditorium
June 15	1:00 to 4:00 p.m.	Lipsett Amphitheater (Building 10, first floor)
June 24	9:00 a.m. to 12:00 noon	Masur Auditorium
June 30	9:00 a.m. to 12:00 noon	Masur Auditorium
July 14	1:00 to 4:00 p.m.	Masur Auditorium
July 21	9:00 a.m. to 12:00 noon	Masur Auditorium

Laboratory Safety Refresher Course

This mandatory course *for returning summer students* is a one-hour refresher course in laboratory safety. The course reviews and provides updates on safety procedures and policies that govern laboratory safety at the NIH.

The refresher course will be held on the following dates:

June 8	2:00 to 3:00 p.m.	Lipsett Amphitheater (Building 10, first floor)
July 13	2:00 to 3:00 p.m.	Masur Auditorium (Building 10, first floor)
July 27	10:00 to 11:00 a.m.	Masur Auditorium

Working Safely with HIV and Other Bloodborne Pathogens in the Research Laboratory

This two-hour mandatory program provides research personnel with information on working safely with bloodborne pathogens. The program specifically discusses work practices in Biological Safety Level 2 and 3 laboratories.

Topics include:

1. Steps to be taken in case of a potential HIV/bloodborne pathogen exposure
2. Proper waste disposal procedures
3. Medical surveillance programs offered by the Occupational Medical Service

OSHA requires that all personnel who work with bloodborne pathogens receive training in safe work practices (29 CFR 1910.1030). Attendance at this program is mandatory for research personnel who work with:

- Human blood, body fluids and/or tissues
- Human or nonhuman primate retroviruses
- Hepatitis B and C viruses
- Other bloodborne pathogens
- Animals or their housing

The program will be presented on the following dates:

May 13	10:00 a.m. to 12:00 noon	Masur Auditorium (Building 10, first floor)
June 3	10:00 a.m. to 12:00 noon	Masur Auditorium
June 17	10:00 a.m. to 12:00 noon	Masur Auditorium
July 1	1:00 a.m. to 3:00 p.m.	Masur Auditorium
July 15	10:00 a.m. to 12:00 noon	Masur Auditorium
July 29	10:00 a.m. to 12:00 noon	Masur Auditorium

Please note: Credit for attendance will not be given to late arrivals.

Bloodborne Pathogen Refresher Training

This Web course provides annual refresher training for research laboratory personnel who may potentially be exposed to bloodborne pathogens in their work in the research laboratory and have previously attended the **Working Safely with HIV and Other Bloodborne Pathogens** course. The course provides researchers with the latest information on bloodborne pathogen risks in the research laboratory as well as information on means of protection from potential occupational exposures.

Prerequisite: **Working Safely with HIV and Other Bloodborne Pathogens** course

Requirement: Annual completion of this Web course is mandatory for all laboratory research personnel who may potentially be exposed to bloodborne pathogens.

To register for the above classroom courses, go to the on-line registration site, <http://www.ors.od.nih.gov/labsafety>. Registrations must be received one week prior to the scheduled course date.

Training Courses

Radiation Safety

All students entering laboratories posted for radioactive material use must take the **Radiation Safety Orientation** on-line training module, at <http://www.nih.gov/od/ors/ds/rsb/rso/index.html>. This requirement applies to all such students, regardless of whether they may actually handle radioactive materials.

Returning Summer Students

Those summer students returning to the NIH will use their old Radiation Safety Branch identification number, but must call (301) 496-2255 to request reactivation of this number. Students who have been away from the NIH for more than two years must retake the **Radiation Safety in the Lab** (RSL) course.

Dosimeter Evaluation Form

Every summer student who takes the RSL course must complete a Dosimeter Evaluation Form. The student must bring the completed and signed form to the RSL course he or she is scheduled to attend. The form is available for downloading at <http://www.nih.gov/od/ors/ds/rsb/forms/dosimetry.pdf>.

Minors Handling Radioactive Materials

Summer students under the age of 18 who plan to use radioactive materials must obtain special permission from the Radiation Safety Officer. Such students must submit an application form that is available for downloading at <http://www.nih.gov/od/ors/ds/rsb/minor.html>.

The **Radiation Safety in the Lab** course will be offered on the following dates:

May 19	9:00 a.m. to 12:00 noon	Building 21, Room 237
June 3	9:00 a.m. to 12:00 noon	Building 21, Room 237
June 11	1:00 to 4:00 p.m.	Gerontology Research Center (Baltimore), Room 117
June 24	1:00 to 4:00 p.m.	Masur Auditorium (Building 10, first floor)
June 30	1:00 to 4:00 p.m.	Masur Auditorium
July 21	1:00 to 4:00 p.m.	Masur Auditorium

For more information concerning radiation safety training, please contact the Radiation Safety Training Office at (301) 496-2255.

Animal Care and Use

The **Office of Animal Care and Use (OACU)** offers a variety of training courses for NIH intramural personnel who work with animals. These courses are provided free to participants and fulfill federal training requirements for working with animals. Depending on what species you will be working with, there are different courses required. You may register on-line at <http://oacu.od.nih.gov/training/index.htm> or by calling the OACU at (301) 496-5424.

Using Animals in Intramural Research: Guidelines for Animal Users

Students who will be working with animals under the direction of a senior scientist **must** complete the **Guidelines for Animal Users** course before beginning work with animals. The course is offered as a 90-minute lecture and in an on-line, Web-based format. It describes proper care and use of animals in a research laboratory. Additional discussion of animal handling and restraint is presented to assure humane management of the animals.

The summer schedule for this course is:

May 3	1:00 to 2:00 p.m.	Building 50, Lobby level conference room
June 21	9:00 to 10:30 a.m.	Building 50, Lobby level conference room
July 19	9:00 to 10:30 a.m.	Building 50, Lobby level conference room

The **on-line course** takes approximately 90 minutes to complete, but it does not have to be finished in one sitting. To access the on-line course, go to <http://fmp.cit.nih.gov/oacu/users/index.html>.

Working Safely with Nonhuman Primates

The course **Working Safely with Nonhuman Primates** is required for all personnel who will be working with nonhuman primates (NHP). You will learn about the normal behavior of NHP to help prevent injury and exposure to pathogens that are transmissible to humans, such as Herpes B-virus. The course, which consists of a video, handouts, and a quiz, is given on an individual basis at the animal facility. Contact your institute or center's veterinarian or the animal facility manager to arrange for a presentation.

Hands-on Animal Techniques: Rodent Workshop

The rodent workshops are optional opportunities to learn manual handling, sampling, and restraint techniques used in the laboratory with live animals. These half-day, small-group sessions provide an opportunity for individual instruction by certified laboratory animal technologists.

Workshops will be held from 8:30 to 11:00 a.m. in Building 60, Room 134. An afternoon session from 12:00 noon to 2:30 p.m. may be offered if the morning class is full. Workshop dates will be posted on the OACU training Web site, <http://oacu.od.nih.gov/training/schedule2004.htm>. You must register at least two weeks before the scheduled date of the workshop, as enrollment is limited.

General Information

When and where does it take place?

Poster Day 2004 is scheduled for Thursday, August 5, 2004, and will be held in the Natcher Conference Center and Atrium. Participants are required to set up their posters between 3:00 and 5:00 p.m. on Wednesday, August 4. At that time, you will receive information regarding your poster board assignment.

Who may present?

Any student (high school, college, medical, dental, or graduate) working in an intramural laboratory this summer. You will need to spend the entire session at your poster site.

What will the format be?

You will have a 3½ by 3½ foot preassigned poster board on which to display your information. Your poster should include:

- An introduction (providing background information)
- The purpose of the project
- Materials and methods used
- Results and conclusions

While the text should be typed, figures may be drawn by hand. See the accompanying *Suggestions for Presenting Research in a Poster Format*.

Why should I participate?

This is a great opportunity to share the exciting work you have been doing this summer. Of course, having been here less than two months, you may not have final results from your experiments, particularly if this is your first year in a research lab. But even if your results are preliminary or incomplete at this time, you can still present background information on your project, any data you may have collected, or a discussion of the technical problems you have encountered. During the three-hour exhibit, you will have a chance to discuss your project informally with your peers and with members of the NIH scientific community. You will also receive a certificate in recognition of your participation in Poster Day.

How do I register?

You can register electronically at <http://www.training.nih.gov> beginning June 1. The registration form on the next opposite page is a sample of what you will need to complete on-line.

When is the deadline?

Tuesday, July 6, 2004, at 5:00 p.m. Your registration will be confirmed via e-mail one week to ten days after the deadline. The deadline for preceptor approval is July 9 at 5:00 p.m.

What if I have questions?

Contact Ms. Debbie Cohen by e-mail at dc26a@nih.gov or call (301) 496-2427.

Sample Registration Form from www.training.nih.gov

(Be sure to read the on-line application tips before registering.)

Poster Information

Title •

NIH IC •

NIH Laboratory or Clinical Branch •

Preceptor Information

Primary Preceptor Dr. First MI Last •

E-mail •

Other Preceptor (if applicable) Dr. First MI Last •

E-mail

Continue

Poster Presenter Information

Name Mr. First MI Last •

E-mail •

NIH Building •

NIH Room •

Permanent Address •

City •

State •

Zip •

NIH Phone •

NIH Fax •

Academic Information (as of Spring 2004)

Education Level •

School Year •

Last School Attended •

City •

State •

Registration Form (Part 1 of 2)

Instructions

- Enter the data requested and click the **Continue** button at the bottom of the page.
- Required fields are indicated with a (•).
- If desired, you may use the **tab key** to navigate the fields.

Application Form (Part 2 of 2)

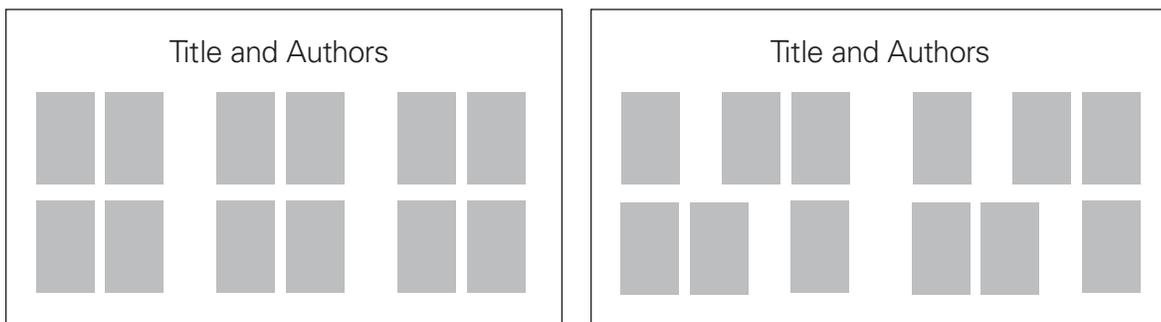
Instructions

- Enter the data requested and click a button at the bottom of the page.
- *Note:* Clicking **Preview** will allow verification of your inputs before submission.
- Required fields are indicated with a (•).
- If desired, you may use the **tab key** to navigate the fields.

Suggestions for Presenting Research in a Poster Format

1. The Office of Education provides the space where you will hang your poster. You are responsible for designing, producing, and displaying the poster itself. Your poster will be displayed on a bulletin board surface. Be sure to bring thumbtacks or push-pins, as they will not be provided.
2. Draw a rough sketch of your poster. The board provided is 3½ feet by 3½ feet, so you should proportion your drawing accordingly. You may find it helpful to use graph paper and post-it notes to better visualize where the components of your poster will go.
3. Crowded, cluttered posters are difficult to read and are often disregarded in favor of more eye-pleasing posters. Make sure every item on your poster is necessary. Keep the text to a minimum and emphasize the graphics—charts, graphs, and photos. Save what you might put in text for discussion.
4. When composing your poster, use blank space to highlight or offset information. Be sure to align all edges of paper. Place related materials (e.g., graph with accompanying legend) close together, then offset it by surrounding it with blank space.

Arrange your information symmetrically on the board. A good approach is to divide your space vertically or horizontally into three or four sections.



5. Be sure to include the title of the presentation in large letters, the institute and laboratory/branch where the work was completed, and the author names at the top center of the poster. Also, list the name of your school, college, or university.
6. Typewritten materials should be easy to read at a distance of four feet. Ordinary typewritten or handwritten copy makes it difficult for your audience, so try to use a computer and increase the font size to at least 18 point. Place the abstract of your work on the upper left side of the poster.

Adapted from American Society for Microbiology's "Guide to Poster and Slide Sessions"

Summer Research Program Coordinators

National Institute on Aging (NIA)
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E-mail: ashobbs@box-a.nih.gov

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Fax: (301)402-3594
E-mail: nsunley@niaid.nih.gov

National Institute of Allergy
and Infectious Diseases–
Vaccine Research Center (NIAID–VRC)
Ms. Karen Weaver
Building 40, Room 1100C
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Bethesda, MD 20892
Telephone: (301) 435-8558
Fax: (301) 480-0274
E-mail: kweaver@mail.nih.gov

National Institute of Arthritis and
Musculoskeletal and Skin Diseases (NIAMS)
Dr. Mario E. Cerritelli
Building 9, Room B1E04
9 Memorial Drive MSC 0965
Bethesda, MD 20892-0965
Telephone: (301)402-6924
Fax: (301)480-4871
E-mail: cerritem@mail.nih.gov

National Cancer Institute (NCI)
Ms. Sandra Thomas
Office of Workforce Development
Room 502
6116 Executive Blvd. MSC 8342
Bethesda, MD 20892-8342
Telephone: (301)435-8524
Fax: (301)402-3509
E-mail: thomass@od.nci.nih.gov

National Cancer Institute–
Center for Cancer Research (NCI–CCR)
Dr. Jonathan Wiest
Building 31, Room 3A11
31 Center Drive MSC 2440
Bethesda, MD 20892
Telephone: (301)496-3381
Fax: (301)496-0775
E-mail: wiestj@mail.nih.gov

National Cancer Institute–
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Ms. Vi Black
Building 31, Room 3A11
31 Center Drive
Bethesda, MD 20892
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Fax: (301)451-6238
E-mail: *blackv@mail.nih.gov*

National Cancer Institute–
Division of Cancer Epidemiology and
Genetics (NCI–DCEG)
Ms. Kris Kiser
6120 Executive Blvd. MSC 7242
Bethesda, MD 20850-7242
Telephone: (301)594-3005
Fax: (301)402-3256
E-mail: *ncidceg-r@mail.nih.gov*

National Cancer Institute–Division of Cancer
Treatment and Diagnosis (NCI–DCTD)
Ms. Kristen Lee
NCI–Frederick
Fairview Center, Suite 205
1003 West 7th Street
Frederick, MD 21701
Telephone: (301)846-5438
Fax: (301)846-6183
E-mail: *leek@dtpepn.nci.nih.gov*

National Institute of Child Health and
Human Development (NICHD)
Ms. Ellie Hochman
One Rockledge Centre, Suite 8000
6705 Rockledge Drive
Bethesda, MD 20814-9692
Telephone: (301)402-2640
Fax: (301)480-1794
E-mail: *hochmane@exchange.nih.gov*

National Institute on Drug Abuse (NIDA)
Dr. Stephen Heishman
Clinical Pharmacology and Therapeutics
Research Branch
Room 265
5500 Nathan Shock Drive
Baltimore, MD 21224
Telephone: (410)550-1547
Fax: (410)550-1849
E-mail: *sheish@intra.nida.nih.gov*

National Institute on Deafness and
Other Communication Disorders (NIDCD)
Ms. Chris Clements
Building 31, Room 3C11
31 Center Drive MSC 2320
Bethesda, MD 20892-2320
Telephone: (301)402-0508
Fax: (301)402-1591
E-mail: *clementc@mail.nih.gov*

National Institute of Dental
and Craniofacial Research (NIDCR)
Dr. Albert Avila
Building 30, Room 106
30 Convent Drive MSC 4370
Bethesda, MD 20892-4370
Telephone: (301)402-0799
Fax: (301)480-0240
E-mail: *aavila@mail.nih.gov*

National Institute of Diabetes
and Digestive and Kidney Diseases (NIDDK)
Ms. Linda L. Mongelli
Building 12A, Suite 3011
12 South Drive MSC 5632
Bethesda, MD 20892-5632
Telephone: (301)435-8901
Fax: (301)402-7461
E-mail: *lindam@intra.niddk.nih.gov*

National Institute of Environmental
Health Sciences (NIEHS)
Summers of Discovery Program
Ms. Charle League
P.O. Box 12233
Mail Drop A2-09
Research Triangle Park, NC 27709-2233
Telephone: (919)541-5741
Fax: (919)541-1994
E-mail: league@niehs.nih.gov

National Eye Institute (NEI)
Ms. Belinda Davis
Building 31, Room 6A22
31 Center Drive MSC 2510
Bethesda, MD 20892-2510
Telephone: (301)451-6763
Fax: (301)451-6764
E-mail: davisb@nei.nih.gov

National Heart, Lung, and Blood Institute
(NHLBI)
Ms. Nga Ho
Building 10, Room 8C102
10 Center Drive
Bethesda, MD 20892
Telephone: (301)451-1990
Fax: (301)402-0013
E-mail: direducation@nhlbi.nih.gov

National Institute of Mental Health (NIMH)
Dr. Barry Kaplan
Building 10, Room 4N222
10 Center Drive MSC 1381
Bethesda, MD 20892-1381
Telephone: (301)451-4512
Fax: (301)594-3189
E-mail: nimhfellowships@intra.nimh.nih.gov

National Institute of Mental Health (NIMH)
Mr. Carl O. Clay
Office of Fellowship Training
Building 10, Room 4N222
10 Center Drive MSC 1381
Bethesda, MD 20892-1381
E-mail: Carl.Clay@mail.nih.gov

National Institute of Neurological Disorders
and Stroke (NINDS)
Ms. Rose Wright
Building 31, Room 8A-31
31 Center Drive MSC 2540
Bethesda, MD 20892-2540
Telephone: (301)496-5332
Fax: (301)402-9438
E-mail: wrightr@ninds.nih.gov

National Human Genome Research Institute
(NHGRI)
Mr. Robert Dennis
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12 South Drive MSC 5611
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Office of the Director (OD)
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Office of the Director/Office of Intramural
Research/Office of Human Subjects
Research (OD/OIR/OHSR)
Dr. Alison Wichman
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Warren Grant Magnuson Clinical Center (CC)
Ms. Cynthia Bolton
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6100 Executive Boulevard MSC 7509
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Center for Information and Technology (CIT)
Ms. Carrie Williams
CSD, Branch H
6707 Democracy Boulevard
Suite 400
Bethesda, MD 20892
Telephone: (301)594-2247
Fax: (301)480-3064
E-mail: *williaca@od.nih.gov*

Office of Research Services (ORS)
Ms. Lyvette Kinsey
Building 31, Room 4B41
31 South Drive MSC 2157
Bethesda, MD 20892-2157
Telephone: (301)402-1528
Fax: (301)402-1057
E-mail: *kinseyl@mail.nih.gov*

National Library of Medicine–
Lister Hill Center (NLM–LHC)
Ms. May Cheh
Building 38, Room 9N919
8600 Rockville Pike
Bethesda, MD 20894
Telephone: (301)435-3193
Fax: (301)496-0673
E-mail: *cheh@nlm.nih.gov*

National Library of Medicine–
National Center for Biotechnology
Information (NLM–NCBI)
Ms. Pandoria King
Building 38, Room 2N05
9000 Rockville Pike
Bethesda, MD 20894
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Fax: (301)480-4971
E-mail: *pk28w@nih.gov*

Center for Biologics Evaluation and Research
(CBER)
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Rockville, MD 20892 HFM-20
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Fax: (301)827-0440
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National Center for Complementary and
Alternative Medicine (NCCAM)
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Useful Web Sites

Visit these sites to learn about the many resources available to you at the NIH and beyond. (If you would like to bookmark these sites for future reference, consult the on-line version of the Summer Handbook, where the URLs appear as hyperlinks.)

1. General NIH Info

<http://www.nih.gov>

- Find an e-mail address for an NIH employee
- Get the latest news and event information
- Find out about the upcoming NIH Director's Wednesday Afternoon Lecture Seminar (WALS)
- Locate scientific resources and more

2. The Office of Intramural Training and Education

<http://www.training.nih.gov>

- Current postdoctoral and tenure-track position listings
- American Medical Student Association (AMSA): *<http://www.amsa.org/>*
- Student National Medical Association (SNMA): *www.snma.org/index.html*
- Society for Advancement of Chicanos and Native Americans in Science (SACNAS): *www.sacnas.org*
- Information about NIH training programs

3. NIH On-line Orientation

<http://orientation.nih.gov>

- NIH Overview
- Your first days at the NIH
- NIH resources
- Training and career development

4. Security Information at the NIH

<http://security.nih.gov>

- Security updates
- "Cyber security" advisories

5. The Guidelines for the Conduct of Research

<http://www.nih.gov/news/irnews/guidelines.htm>

6. A Guide to Training and Mentoring in the Intramural Research Program at NIH

http://www1.od.nih.gov/oir/sourcebook/ethic-conduct/TrainingMentoringGuide_7.3.02.pdf

7. The NIH Ombudsman, Center for Conflict Resolution

<http://www4.od.nih.gov/ccr/>

- Howard Gadlin; Building 31, Room 1B37, Center for Conflict Resolution

8. The NIH Catalyst

<http://catalyst.cit.nih.gov/catalyst/>

- To receive this bimonthly publication by e-mail, send an e-mail request to Catalyst@nih.gov
- Also available in distribution boxes at NIH cafeterias

9. The DDIR's Electronic Bulletin Board

<http://ddir.cit.nih.gov/ddir/>

- Available on the web or by e-mail. To subscribe, send an e-mail message to Listserv@list.nih.gov. Substituting your name for Jan Doe's, send the message: Subscribe DDIRBB-L Jan Doe. Alternatively, visit <http://list.nih.gov/archives/ddirbb-l.html> and click on the "Join or leave the list" link
- Find out about job openings: http://ddir.cit.nih.gov/ddir/current_issue/Jobs.html
- Find out about current seminars and workshops

10. The National Academy of Sciences Mentoring Booklet—*Advisor, Teacher, Role Model, Friend: On Being a Mentor to Students in Science and Engineering*

<http://www.nap.edu/readingroom/books/mentor>

11. Job Resources on the Internet

The NIH Virtual Career Center: <http://www.training.nih.gov/careers/careercenter/>

- Explore career options
- Interviewing advice and workshops
- Industry vs. academe vs. government: Choosing a career path
- 55 pages of resources and more than 1,000 links

Science's "Next Wave": <http://nextwave.sciencemag.org>

- Information concerning alternative careers
- Designed for young scientists—graduate students, postdocs, and junior faculty
- Weekly columns—"Are there too many Ph.D.s?" "Career Advice," etc.
- Monthly information: Family and career issues, career and job-hunting advice, alternative careers, etc.
- Links to articles on grants and grant writing

The *sciencejobs.com* career service: <http://www.sciencejobs.com/>

- Search for jobs by type, position, scientific discipline, and location
- Free e-mail alert service

SciWeb: <http://www.sciweb.com>

- Press releases database
- Life science web site directory

Naturejobs: <http://www.nature.com/naturejobs/>

- Search Nature's classified ads
- Resume database service
- Has numerous articles about employment in science

The NIHJOBS-L Archive: <http://list.nih.gov/archives/nihjobs-l.html>

- Weekly information on NIH job vacancies

Washington Metropolitan Area Activities

Entertainment

"Work is hard. Distractions are plentiful. And time is short."

-Adam Hochschild

"He who cannot rest, cannot work..."

-Harry Emerson Fosdick

The national capitol area has much to offer in the way of entertainment and relaxation. Whether your passion is nature, history, art, nightlife, or fine food, there is plenty here for you. The museums, parks, and historical sites listed below are just a small sample from the veritable smorgasbord of interesting sites and events around town. One of the best ways to learn about other local points of historical and cultural significance—as well as the latest events of interest—is through the internet. Among the various on-line art and entertainment guides, the following will help you learn about all that the area has to offer:

<http://www.washington.org/>

<http://eg.washingtonpost.com/>

<http://www.washdc.org/>

Museums

B’Nai B’rith Klutznick

National Jewish Museum

1640 Rhode Island Avenue NW

Washington, DC 20005

(202)857-6583

Hours: 10 a.m. to 5 p.m. Sun-Fri,
by appointment

Admission: Free

Metro: Red Line, Farragut North

Capital Children’s Museum

800 3rd Street NE

Washington, DC 20002

(202)675-4120

Hours: 10 a.m. to 5 p.m. Tue-Sun through
Memorial Day; open 7 days a week
through the summer

Admission: Admission is charged.

Metro: Red Line, Union Station

Bethune Museum & Archives, Inc.

1318 Vermont Avenue NW

Washington, DC 20005

(202)332-9201

Hours: 10 a.m. to 4 p.m. Mon-Sat

Admission: Free

Metro: Blue/Orange Lines, McPherson Square

Corcoran Gallery of Art

500 17th Street NW

Washington, DC 20006

(202)639-1700

Hours: 10 a.m. to 5 p.m. Wed -Mon;
10 a.m. to 9 p.m. Thur

Admission: Admission is charged.

Metro: Blue/Orange Lines, Farragut West

DAR Museum

1776 D Street NW
Washington, DC 20006
(202)628-1776
Hours: 9:30 a.m. to 4 p.m. Mon-Fri;
9 a.m. to 5 p.m. Sat
Admission: Free
Metro: Blue/Orange Lines, Farragut West

Decatur House Museum

748 Jackson Place NW
Washington, DC 20006
(202)842-0920
Hours: 10 a.m. to 3 p.m. Tue-Fri
Admission: Admission is charged.
Metro: Blue/Orange Lines, Farragut West

Folger Shakespeare Library

201 East Capitol Street SE
Washington, DC 20003
(202)544-4600
Hours: 10 a.m. to 4 p.m. Mon-Sat
Admission: Free; tours at 11:00 a.m.
Metro: Blue/Orange Lines, Capitol South

Fort Ward Museum

4301 W. Braddock Road
Alexandria, VA 22304
(703)838-4848
Hours: 9 a.m. to 4 p.m. Tue-Sat
Admission: Free
Metro: Yellow Line, King Street;
DASH bus A-T5

International Spy Museum

800 F Street NW
Washington, DC 20004
(202)393-7798
Hours: 10 a.m. to 7 p.m.
Admission: Admission is charged.
Metro: Red/Yellow Lines,
Gallery Place/Chinatown

Library of Congress

1st Street & Independence Avenue SE
Washington, DC 20540
(202)707-8000
Hours: 8:30 a.m. to 9:30 p.m. Mon-Fri
8:30 a.m. to 6 p.m. Sat; closed Sun
Admission: Free
Metro: Blue/Orange Lines, Capitol South

Lillian & Albert Small Jewish Museum

3rd & G Streets NW
Washington, DC 20001
(202)789-0900
Hours: 10 a.m. to 4 p.m. Mon-Thur
Admission: Free
Metro: Red Line, Judiciary Square

Lyceum

201 S. Washington Street
Alexandria, VA 22314
(703)838-4994
Hours: 10 a.m. to 5 p.m. Mon-Sat;
1 p.m. to 5 p.m. Sun
Admission: Admission is charged.
Metro: Yellow Line, King Street

Manassas Museum

9101 Prince William Street
Manassas, VA 22110
(703)368-1873
Hours: 10 a.m. to 5 p.m. Tue-Sun;
open all Federal holidays
Admission: Admission is charged.

National Archives

700 Pennsylvania Avenue NW
Washington, DC 20408
(866)325-7208
Hours: 8:45 a.m. to 5:00 p.m. Mon, Wed, Sat;
8:45 a.m. to 9:00 p.m. Tue, Thur
Admission: Free
Metro: Green/Yellow Lines, Archives

National Archives at College Park

8601 Adelphi Road
College Park, MD 20740
(301) 713-6800

Hours: 8:45 a.m. to 5 p.m. Mon, Wed;
8:45 a.m. to 9 p.m. Tue, Thur, Fri;
8:45 a.m. to 4:45 p.m. Sat

Admission: Free

National Building Museum

401 F Street NW
Washington, DC 20001
(202) 272-2448

Hours: 10 a.m. to 4 p.m. Mon-Sat;
11 a.m. to 5 p.m. Sun

Admission: Free

Metro: Red Line, Judiciary Square

National Gallery of Art

4th Street & Constitution Avenue NW
Washington, DC 20565
(202) 737-4215

Hours: 10 a.m. to 5 p.m. Mon-Sat;
11 a.m. to 6 p.m. Sun

Admission: Free

Metro: Red Line, Judiciary Square

National Geographic Society**Explorers Hall**

17th & M Streets NW
Washington, DC 20036
(202) 857-7588

Hours: 9 a.m. to 5 p.m. Mon-Sat and holidays;
10 a.m. to 5 p.m. Sun

Admission: Free

Metro: Red Line, Farragut North

National Museum of**American Jewish Military History**

1811 R Street NW
Washington, DC 20009
(202) 265-6280

Hours: 9 a.m. to 5 p.m. Mon-Fri; closed Sat;
1 to 5 p.m. Sun

Admission: Free

Metro: Red Line, Dupont Circle

**National Museum
of Health & Medicine**

Walter Reed Medical Center
6900 Georgia Avenue & Elder Street NW
Building 54
Washington, DC 20307
(202) 782-2200

Hours: 10 a.m. to 5:30 p.m.

Admission: Free

Metro: Red Line, Takoma

**National Museum of Women
in the Arts**

1250 New York Avenue NW
Washington, DC 20005
(202) 783-5000

Hours: 10 a.m. to 5 p.m. Mon-Sat;
noon to 5 p.m. Sun

Admission: Free

Metro: Blue/Orange/Red Lines, Metro Center

Octagon Museum

1799 New York Avenue NW
Washington, DC 20006
(202) 638-3221

Hours: 10 a.m. to 4 p.m. Tue-Sun

Admission: Admission is charged.

Metro: Red Line, Farragut North

The Phillips Collection

1600 21st Street NW
Washington, DC 20009
(202) 387-2151

Hours: 10 a.m. to 5 p.m. Tue-Sat

Admission: Admission to the permanent
collection is free during the week.

Metro: Red Line, Dupont Circle

Smithsonian American Art Museum

8th & G Streets NW
Washington, DC 20013
(202) 357-2700

Closed for renovations until 2006.

Comments: In the same building as
the Portrait Gallery.

Smithsonian • Anacostia Museum

1901 Fort Place SE
Washington, DC 20013
(202) 357-2700

Hours: 10 a.m. to 5:00 p.m.

Comments: Has one of the city's finest collections of African-American art.

Smithsonian •

Arthur M. Sackler Gallery

1050 Independence Avenue SW
Washington, DC 20013
(202) 357-2700

Hours: 10 a.m. to 5:30 p.m.

Admission: Free

Metro: Blue/Orange Lines, Smithsonian

Comments: Specializes in Asian art.

Smithsonian •

Arts & Industries Building

900 Jefferson Drive SW
Washington, DC 20013
(202) 357-2700

Closed for renovations

Metro: Blue/Orange Lines, Smithsonian

Comments: Works by contemporary artists.

Smithsonian • Freer Gallery of Art

12th Street & Jefferson Drive SW
Washington, DC 20013
(202) 357-2700

Hours: 10 a.m. to 5:30 p.m.

Admission: Free

Metro: Blue/Orange Lines, Smithsonian

Comments: This building, physically connected to the Sackler Gallery, specializes in Japanese artifacts.

**Smithsonian • Hirshhorn Museum
& Sculpture Garden**

7th Street & Independence Avenue SW
Washington, DC 20013
(202) 633-2773

Hours: 10 a.m. to 5 p.m. by appointment

Admission: Free

Metro: Blue/Orange Lines, Smithsonian

Comments: An impressive collection of sculpture both classic and modern, plus contemporary art.

Smithsonian •

National Air & Space Museum

6th Street & Independence Avenue SW
Washington, DC 20013
(202) 357-2700

Hours: 10 a.m. to 5:30 p.m.

Admission: Free

Metro: Blue/Orange Lines, Smithsonian

Comments: Spaceships and aircraft plus the IMAX Theater.

Smithsonian •

National Museum of African Art

950 Independence Avenue SW
Washington, DC 20013
(202) 633-4600

Hours: 10 a.m. to 5:30 p.m.

Admission: Free

Metro: Blue/Orange Lines, Smithsonian

Comments: Ancient African Art through to 20th century artifacts.

**Smithsonian • National Museum
of American History**

14th Street & Constitution Avenue NW
Washington, DC 20013
(202) 633-1000

Hours: 10 a.m. to 5:30 p.m.

Admission: Free

Metro: Blue/Orange Lines, Smithsonian

Comments: Items from 200 years of American existence. Railroad engines to computers to WWII and much more, including the art of each period.

**Smithsonian • National Museum
of Natural History**

10th Street & Constitution Avenue NW
Washington, DC 20013
(202) 357-2700

Hours: 10 a.m. to 5:30 p.m.

Admission: Free

Metro: Blue/Orange Lines, Smithsonian

Smithsonian • National Portrait Gallery

8th & F Streets NW
Washington, DC 20013
(202) 275-1738

Closed for renovations until 2005.

Comments: In the same building as the American Art Museum.

Smithsonian • National Postal Museum

2 Massachusetts Avenue NE
Washington, DC 20013
(202) 633-5555

Hours: 10 a.m. to 5:30 p.m.

Admission: Free

Metro: Red Line, Union Station

Comments: Washington's first post office, now an active historic site providing exhibits, lectures, and special family events.

Smithsonian • Renwick Gallery

17th Street & Pennsylvania Avenue NW
Washington, DC 20560
(202) 357-2700

Hours: 10 a.m. to 5:30 p.m.

Admission: Free

Metro: Red Line, Farragut North

Comments: A collection of Oriental and contemporary American art and artifacts.

Sumner School Museum & Archives

1201 17th Street NW
Washington, DC 20036
(202) 442-6060

Hours: 10 a.m. to 5 p.m. Mon-Sat

Admission: Free

Metro: Red Line, Farragut North

The Textile Museum

2320 S Street NW
Washington, DC 20008
(202) 667-0441

Hours: 10 a.m. to 5 p.m. Mon-Sat;

1 p.m. to 5 p.m. Sun

Admission: Free (suggested contribution of \$5)

Metro: Red Line, Dupont Circle

United States

Holocaust Memorial Museum

100 Raoul Wallenberg Place SW
(14th Street & Independence Avenue)
Washington, DC 20024
(202) 488-0400

Hours: 10 a.m. to 5:30 p.m.

Admission: Free, but requires advance time-entry pass.

Metro: Blue/Orange Lines, Smithsonian

United States Navy Memorial

701 Pennsylvania Avenue NW, Suite 123
Washington, DC 20004
(202) 737-2300

Hours: 9:30 a.m. to 5 p.m. Mon-Sat

Admission: Free

Metro: Green/Yellow Lines, Archives

National/State Parks and Historic Sites

Constitution Gardens

900 Ohio Drive SW
Washington, DC 20242
(202) 426-6841

The Gardens are located between the Washington Monument and the Lincoln Memorial, bordered by Constitution Avenue, 17th Street, and the Reflecting Pool.

Admission: Free. Permits are required for special events and First Amendment activities.

Metro: Blue/Orange Lines, Smithsonian

Ford's Theater National Historic Site

511 10th Street NW
Washington, DC 20004
(202) 347-4833 (Box Office)

Hours: 9 a.m. to 5 p.m.

Admission: Free. Admission to theatrical performances is by paid ticket only

Comments: The theater where President Abraham Lincoln was shot and the house across the street where he died early the next day are preserved as Ford's Theater National Historic Site.

Metro: Blue/Orange/Red Lines, Metro Center Green/Yellow Lines, Gallery Place/Chinatown

Franklin Delano Roosevelt Memorial

1850 West Basin Drive SW
Washington, DC 20024
(202) 376-6704

Admission: Free

Metro: Blue/Orange Lines, Smithsonian

Frederick Douglass National Historic Site

1411 W Street SE
Washington, DC 20020
(202) 426-5961

Hours: 9 a.m. to 5 p.m.

Admission: Admission is charged.

Comments: Frederick Douglass lived at Cedar Hill from 1877 until 1895. His fully restored Victorian home on the heights overlooking Anacostia offers a panoramic view of the U.S. Capitol, the Washington Monument, and the city of Washington.

Metro: Green Line, Anacostia;
B-5 bus (Mt. Rainier)

Great Falls Park

Potomac, Maryland
(301) 299-3613

Hours: Open dawn to dusk daily

Admission: Admission is charged.

Comments: About 15 miles from the Mall, at the end of MacArthur Boulevard, are the Great Falls of the Potomac. The restored 19th century tavern was an important stopping point on the C&O Canal and is now a museum. Woodland paths and picnic areas are further features of the park, which is also a good starting point for hiking or cycling along the towpath.

Great Falls Park, Virginia

9200 Old Dominion Drive
(703) 285-2965

Hours: Open dawn to dusk daily

Admission: Admission is charged.

Comments: Excellent views of the cascading Potomac can be seen here. The park has a snack bar, restrooms, visitor center, picnic facilities, and hiking trails. Fishing is permitted, but swimming and wading are not.

Korean War Veterans Memorial

Independence Avenue at the
Lincoln Memorial
Washington, DC
(202)619-7222

Admission: Free. Permits are required for special events and First Amendment activities.

Metro: Blue/Orange Lines, Foggy Bottom

Lincoln Memorial

West Potomac Park at 23rd Street NW
Washington, DC
(202)426-6841

Metro: Blue/Orange Lines, Foggy Bottom

Mary McLeod Bethune Council House National Historic Site

1318 Vermont Avenue, NW
Washington, DC 20005
(202)673-2402

Hours: 10 a.m. to 4 p.m. Mon-Sat

Admission: Free

Metro: Blue/Orange Lines,
McPherson Square

Comments: The Site houses the Bethune Museum and Archives, Inc., and is dedicated to the collection, preservation, and interpretation of African American Women's history.

National Aquarium in Baltimore, Maryland

Pier 3, 501 East Pratt Street
(410)576-3800

Hours: Open daily 9 a.m. to 5 p.m.
Fri to 8 p.m. (open daily 9 a.m. to 8 p.m.
July and August)

Admission: Admission is charged.

Comments: Docked nearby is the lightship Chesapeake.

National Mall

Washington, DC

Hours: 8 a.m. to 11:45 p.m.

Admission: Free. Permits are required for special events and First Amendment activities.

Metro: Blue/Orange Lines, Smithsonian

Comments: The mall extends from the Capitol to the Washington Monument. Footpaths, bikeways, information and map kiosks, and refreshment stands adorn the mall. Bordering the Mall are the Department of Agriculture, the National Gallery of Art, and nine of the Smithsonian Institution museums: Freer Gallery, Sackler Gallery, African Art, Arts and Industries, Hirshhorn Museum and Sculpture Garden, Air and Space, American History, and the central Smithsonian Institution building.

National Zoo

The Zoo is located in northwest Washington, DC, at 3001 Connecticut Avenue.

It can be reached by:

Metro Red Line, Woodley Park/Zoo
or Cleveland Park

Bus L1 and L2 buses at the
Connecticut Avenue entrance;
H2 and H4 buses at Harvard Street.

Car Parking is very limited.
From May to September, lots may
be filled by 10:30 a.m.

Parking fee is calculated by the hour.

(202)673-4800 General Information Recording

(202)673-4717 Information Desk

(202)673-4731 Zoo Park Police (In stormy
weather, call here to see if
the zoo is open.)

Hours: Weather permitting, the zoo is open every day except December 25. Buildings are open year-round 9 a.m. to 4:30 p.m. unless otherwise posted. Grounds are open April 3–October 31 from 6 a.m. to 8 p.m., and November 1–April 2 from 6 a.m. to 6 p.m. Animal buildings are open May 1–September 15 from 10 a.m. to 6 p.m., and September 16–April 30 from 10 a.m. to 4:30 p.m.

Rock Creek Park

3545 Williamsburg Lane NW

Washington, DC 20008

(202) 895-6000

Hours: The park is open dawn to dusk daily.

Pierce Mill and the Old Stone House are open 12 noon to 5 p.m. Wed-Sun.

The Nature Center and planetarium are open 9 a.m. to 5 p.m. Wed-Sun.

Admission: Free. Rock Creek Horse Centre on Glover Road offers horse rentals and riding instruction. There is an 18-hole golf course with golf cart and club rental at 16th and Rittenhouse Streets. Reservations are required for the tennis courts.

Comments: Established in 1890, Rock Creek Park offers 29 miles of hiking trails, 11 miles of bridle trails, horse rentals, tennis courts, athletic fields, and dozens of picnic areas. The Rock Creek Nature Center gives guided nature walks daily and has nature exhibits and planetarium shows. Demonstrations at Pierce Mill illustrate the working of a 19th century gristmill. Tours are given of the Old Stone House, the oldest dwelling in Washington.

Sewall-Belmont House**National Historic Site**

144 Constitution Avenue NE

Washington, DC 20002

(202) 546-3989

Hours: Guided tours and exhibits featuring memorabilia of suffrage and equal rights campaigns, including busts and portraits of suffrage and equal rights leaders, and antique furniture. The tours are conducted Tuesday through Friday hourly from 11 a.m. to 3 p.m., and Saturday, hourly from 12 noon to 4 p.m. Closed Sundays and Mondays.

Admission: Free

Metro: Red Line, Union Station

Shenandoah National Park, Virginia

80 miles southwest of Washington via I-66 and US 340 or via I-66 and US 211

(540) 999-2243

Admission: Admission is charged.

Comments: Skyline Drive threads for 105 miles through the Blue Ridge Mountains.

The park has campgrounds, mountain cottages, lodges, fishing, horse rentals, picnics spots, 94 miles of the Appalachian Trail, and 200 miles of park trails.

Theodore Roosevelt Island

Washington, DC

(703) 289-2500

Metro: Blue/Orange Lines, Rosslyn

The parking area is accessible from the northbound lane of the George Washington Memorial Parkway on the Virginia side of the Potomac River. A footbridge connects the island to the Virginia shore. The island is also accessible to pedestrians via the Metro station at Rosslyn and a 20-minute walk following city streets to the Key Bridge, where the Mount Vernon Trail begins.

Follow the trail to the island entrance.

Admission: Free. Fishing permits are required for persons older than 16.

Vehicles are not permitted on the island.

Thomas Jefferson Memorial

Tidal Basin, South End

15th Street SW

Washington, DC

(202) 426-6841

Admission: Free. Permits are required for special events and First Amendment activities.

Vietnam Veterans Memorial

Constitution Avenue &
Henry Bacon Drive NW
Washington, DC 20001
(202) 634-1568

Admission: Free. Permits are required for special events and First Amendment activities.

Metro: Blue/Orange Lines, Foggy Bottom

Comments: The Memorial also includes the Three Servicemen Statue and the Vietnam Women's Memorial.

White House

1600 Pennsylvania Avenue NW
Washington, DC 20500
(202) 456-7041

Tours of the White House Executive Residence have been suspended until further notice. Visit <http://www.whitehouse.gov/history/tours/> or call the number above for updates.

Washington Monument

Constitution Avenue at 15th Street NW
Washington, DC 20001

(Inclined pathways lead from the parking lot and 15th Street to the entrance and elevator.)

(202) 426-6841

Hours: Open 9 a.m. to 5 p.m. daily

Comments: An elevator takes visitors to the 500-foot level. Return is by elevator as well. If you wish to walk down the 898 steps, you must make arrangements beforehand with the staff.

Notes

Calendar of Events

May 2004

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3 1:00–2:30 p.m. Guidelines for Animal Users course	4	5	6	7	8
9	10	11 1:00–4:00 p.m. Laboratory Safety course 7:00 p.m. Science in the Cinema	12	13 10:00 a.m.–12:00 noon Working Safely with HIV and Other Bloodborne Pathogens	14	15
16	17	18	19 9:00 a.m.–12:00 noon Radiation Safety in the Lab course	20	21	22
23 30	24 MEMORIAL DAY 31	25 1:00–4:00 p.m. Laboratory Safety course	26 2:00–3:00 p.m. NIH Library Orientation	27	28	29

June 2004

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		Poster Day 2004 on-line registration begins 1:00–4:00 p.m. Laboratory Safety course	2 2:00–3:00 p.m. NIH Library Orientation	3 9:00 a.m.–12:00 noon Radiation Safety in the Lab course 10:00 a.m.–12:00 noon Working Safely with HIV and Other Bloodborne Pathogens	4	5
6	7	8 2:00–3:00 p.m. Lab Safety Refresher course 7:00 p.m. Science in the Cinema	9 2:00–3:00 p.m. NIH Library Orientation	10	11 1:00–4:00 p.m. Radiation Safety in the Lab course (Baltimore)	12
13	14	15 12:00 noon–1:00 p.m. Summer Lecture Series 1:00–4:00 p.m. Laboratory Safety course	16 2:00–3:00 p.m. NIH Library Orientation	17 10:00 a.m.–12:00 noon Working Safely with HIV and Other Bloodborne Pathogens	18	19
20	21 9:00–10:30 a.m. Guidelines for Animal Users course	22 12:00 noon–1:00 p.m. Summer Lecture Series	23 2:00–3:00 p.m. NIH Library Orientation	24 9:00 a.m.–12:00 noon Laboratory Safety course 1:00–4:00 p.m. Radiation Safety in the Lab course	25	26
27	28	29 12:00 noon–1:00 p.m. Summer Lecture Series	30 9:00 a.m.–12:00 noon Laboratory Safety course 1:00–4:00 p.m. Radiation Safety in the Lab course 2:00–3:00 p.m. NIH Library Orientation			

July 2004

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	
				1:00–3:00 p.m. Working Safely with HIV and Other Bloodborne Pathogens	1	2	3
4 INDEPENDENCE DAY	5 FEDERAL HOLIDAY	6 12:00 noon–1:00 p.m. Summer Lecture Series 5:00 p.m. Poster Day 2004 Registration Deadline	7 2:00–3:00 p.m. NIH Library Orientation	8 12:00 noon–1:30 p.m. Lunchtime Talk on Research Careers: NIH-supported Programs for Undergraduates and Recent College Graduates	9 5:00 p.m. Poster Day 2004 Preceptor Approval Deadline	10	
11	12	13 12:00 noon–1:00 p.m. Summer Lecture Series 2:00 p.m.–3:00 p.m. Lab Safety Refresher Course 7:00 p.m. Science in the Cinema	14 1:00–4:00 p.m. Laboratory Safety course 2:00–3:00 p.m. NIH Library Orientation	15 12:00 noon–1:30 p.m. Lunchtime Talk on Research Careers: Graduate School Opportunities 10:00 a.m.–12:00 noon Working Safely with HIV and Other Bloodborne Pathogens	16	17	
18	19 9:00–10:30 a.m. Guidelines for Animal Users course	20 12:00 noon–1:00 p.m. Summer Lecture Series 1:00 p.m. SRFP Activity: NIH Clinical Research Training Program (CRTP) (invitation only)	21 9:00 a.m.–12:00 noon Laboratory Safety course 1:00–4:00 p.m. Radiation Safety in the Lab course	22 12:00 noon–1:30 p.m. Lunchtime Talk on Research Careers: Training Opportunities for Medical and Dental Students	23	24	
25	26	27 10:00 a.m.–11:00 a.m. Lab Safety Refresher Course 12:00 noon–1:00 p.m. Summer Lecture Series	28 12:00 noon SRFP Activity: Howard Hughes Medical Institute Cloister Program (invitation only)	29 12:00 noon–1:30 p.m. Lunchtime Talk on Research Careers: Preparing for Careers in Biomedical Research 10:00 a.m.–12:00 noon Working Safely with HIV and Other Bloodborne Pathogens	30	31	

August 2004

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3 12:00 noon–1:00 p.m. Summer Lecture Series 1:00–5:00 p.m. NIA/NIDA Student Poster Session (Baltimore) 4:00 p.m. SRFP Activity: Graduate Medical Education/Loan Repayment Programs	4 3:00–5:00 p.m. Poster Day 2004 Pre-registration and poster setup	5 Poster Day 2004 <i>Schedule TBA</i> 4:00–6:00 p.m. NICHD Poster Session	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				